

IN THE CLAIMS

Please add Claims 19-21, to read as follows.

19. (New) A liquid ejection recording head for effecting recording by ejecting a first liquid and a second liquid which is a different liquid through different ejection outlets, while bi-directionally scanning a recording material in a scanning direction, comprising:

    a first group of ejection outlet arrays each of which has a plurality of ejection outlets at predetermined intervals arranged in a direction different from the scanning direction, wherein corresponding ejection outlets in the respective ejection outlet arrays of said first group are aligned in the scanning direction;

    a second group of ejection outlet arrays each of which has a plurality of ejection outlets at predetermined intervals arranged in a direction different from the scanning direction, wherein corresponding ejection outlets in the respective ejection outlet arrays of said second group are aligned in the scanning direction, said second group being disposed adjacent to said first group; and

    a plurality of energy conversion element array groups for ejecting the first liquid from said first ejection outlet array group and a plurality of energy conversion element array groups for ejecting the second liquid from said second ejection outlet array group,

    wherein said first ejection outlet array group includes a first ejection outlet array for ejecting the first liquid and a second ejection outlet array for ejecting the second liquid,

wherein said second ejection outlet array group includes a third ejection outlet array for ejecting the first liquid and a fourth ejection outlet array for ejecting the second liquid,

wherein said first ejection outlet array group and said second ejection outlet array group are disposed such that said first ejection outlet array and said third ejection outlet array are adjacent to each other and such that the ejection outlets of said first ejection outlet array and the ejection outlets of said third ejection outlet array are disposed with a deviation in a direction of arrangement of the ejection outlets so as to be complementary to each other in the scanning direction, and

wherein said energy conversion element array groups for ejecting the first liquid from said first ejection outlet array group and said energy conversion element array groups for ejecting the second liquid from said second ejection outlet array group are provided on a common substrate.

20. (New) A liquid ejection recording head according to Claim 19, wherein said energy conversion element array groups are groups of electrothermal transducers for generating thermal energy for ejecting the liquids from said ejection outlets.

21. (New) A liquid ejection apparatus comprising a carriage for carrying a liquid ejection recording head as claimed in Claim 19.